

TRANSPORTATION DEPARTMENT[761]

Adopted and Filed

Rule making related to lighting of primary-secondary intersections

The Department of Transportation hereby amends Chapter 136, “Lighting,” Iowa Administrative Code.

Legal Authority for Rule Making

This rule making is adopted under the authority provided in Iowa Code section 307.12.

State or Federal Law Implemented

This rule making implements, in whole or in part, Iowa Code sections 306.4(1), 318.1, 318.2, 318.4, 318.5, 318.8, 318.9 and 318.12.

Purpose and Summary

These amendments to Chapter 136 remove one of the criteria for determining the candidates for lighting, which has not been used to justify the lighting of any primary-secondary intersection for many years. The method using roadway and traffic factors is eliminated because the Department is unable to find the background on this method, and the method is not included in any of the current lighting reference materials.

Other amendments update the Iowa Code sections cited within three implementation sentences to be consistent with the current Iowa Code, update the name of Form 810025, and add the Department’s website so that the form can be easily accessed. Also, this rule making states that the departmental specifications and standard road plans are available on the Department’s website.

Finally, these amendments correct the name of the Traffic and Safety Bureau.

Public Comment and Changes to Rule Making

Notice of Intended Action for this rule making was published in the Iowa Administrative Bulletin on December 30, 2020, as **ARC 5341C**. No public comments were received. One change from the Notice has been made to correct the Department’s website.

Adoption of Rule Making

This rule making was adopted by the Department on February 9, 2021.

Fiscal Impact

This rule making has no fiscal impact to the State of Iowa.

Jobs Impact

After analysis and review of this rule making, no impact on jobs has been found.

Waivers

Any person who believes that the person’s circumstances meet the statutory criteria for a waiver may petition the Department for a waiver under 761—Chapter 11.

Review by Administrative Rules Review Committee

The Administrative Rules Review Committee, a bipartisan legislative committee which oversees rule making by executive branch agencies, may, on its own motion or on written request by any individual or

group, review this rule making at its [regular monthly meeting](#) or at a special meeting. The Committee's meetings are open to the public, and interested persons may be heard as provided in Iowa Code section 17A.8(6).

Effective Date

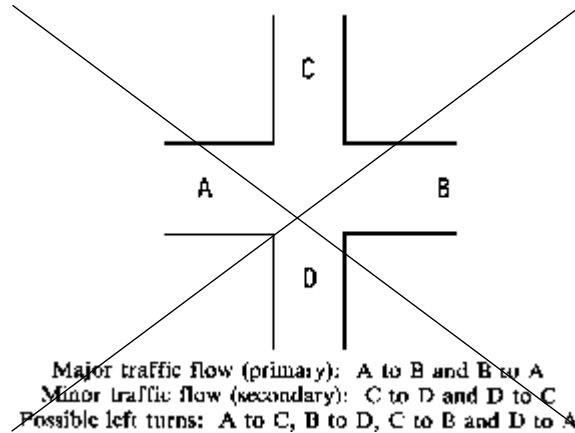
This rule making will become effective on April 14, 2021.

The following rule-making actions are adopted:

ITEM 1. Amend rule 761—136.1(319) as follows:

761—136.1(319 306,318) Lighting of primary-secondary intersections. The purpose of this rule is to establish the qualification criteria ~~for, application procedure~~ the procedures to request, and the financial responsibilities for the placement of roadway luminaires within the limits of the primary road right-of-way at a rural intersection of a primary road and a paved secondary road.

136.1(1) Lighting criteria. A primary-secondary intersection is a candidate for lighting if one of the following is met:



a. to d. No change.

e. ~~After making the following calculations, the total in subparagraph (3) below exceeds 3000 points.~~

(1) ~~Determine the “Roadway/Traffic Factors” for traffic at A and for traffic at B, using the following formula and “Standard Sight Distances for Speed”:~~

$$\begin{array}{c} \text{Roadway/} \\ \text{Traffic} \\ \text{Factor} \end{array} = \frac{\text{Standard Passing Sight Distance for Speed}}{\text{Actual Sight Distance}} \times \frac{\text{Actual Approaching Traffic Volume}}{1000}$$

Standard Passing Sight Distances For Posted Speeds

Speed	Distance
55 mph	2000 ft.
50 mph	1800 ft.
45 mph	1700 ft.
40 mph	1500 ft.

(2) ~~Compare the two answers; the larger number is the “Greater Roadway/Traffic Factor.”~~

(3) ~~Calculate points based on the following formula, using current average daily traffic (ADT):~~

Greater Roadway/Traffic Factor \times Traffic Volume from C to D	=	=====
Greater Roadway/Traffic Factor \times Traffic Volume from D to C	=	=====
Greater Roadway/Traffic Factor \times Traffic Volume from C to B \times (1.5)	=	=====
Greater Roadway/Traffic Factor \times Traffic Volume from D to A \times (1.5)	=	=====
Roadway/Traffic Factor for A \times Traffic Volume from B to D \times (1.5)	=	=====
Roadway/Traffic Factor for B \times Traffic Volume from A to C \times (1.5)	=	=====
TOTAL	=	=====

136.1(2) No change.

136.1(3) Procedures.

a. No change.

b. The district engineer shall forward the request to the department's ~~office of~~ traffic and safety bureau for review.

c. and *d.* No change.

This rule is intended to implement Iowa Code sections ~~319.1, 319.12~~ 306.4(1), 318.1, 318.2, 318.4, 318.5, 318.8, 318.9 and 319.14 318.12.

ITEM 2. Amend rule 761—136.2(319) as follows:

761—136.2(~~319~~ 306,318) Destination lighting. The purpose of this rule is to establish the application procedure and financial responsibilities for the placement of a roadway luminaire within the limits of primary road right-of-way at a rural intersection of a primary road and a minor road.

136.2(1) and 136.2(2) No change.

136.2(3) Procedures.

a. Application shall be made to the appropriate district engineer on Form 810025, "Application and Agreement for Use of Highway Right-of-Way for Utilities Accommodation." Form 810025 is available on the department's website at www.iowadot.gov. The application shall indicate the type of luminaire and intensity of illumination proposed. A sketch shall accompany the application showing the location of the proposed luminaire and pole and the mounting height of the luminaire.

b. and *c.* No change.

This rule is intended to implement Iowa Code sections ~~319.1, 319.12~~ 306.4(1), 318.1, 318.2, 318.4, 318.5, 318.8, 318.9 and 319.14 318.12.

ITEM 3. Amend rule 761—136.6(306) as follows:

761—136.6(306,318) Warrants and design requirements for lighting.

136.6(1) No change.

136.6(2) Design requirements. The design of lighting installations shall comply with departmental specifications and standard road plans for highway lighting as they exist at the time of installation of the lighting. The departmental specifications and standard road plans can be found through the department's electronic reference library on the department's website.

This rule is intended to implement Iowa Code ~~subsections~~ sections 306.4(1), 318.1, 318.2, 318.4, 318.8 and 669.14(8) 318.9.

[Filed 2/11/21, effective 4/14/21]

[Published 3/10/21]

EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 3/10/21.